



# Metal Halide Pulse Start Specifications

## 200 Watt Pulse Start Metal Halide Lamps

### Performance Data

Item #	Description	ANSI Designation	Light Output (Lumens @ 100 Hrs.)	Lamp Lumens Per Watt	Mean Output (Lumens)	Related Life (Hours @ 10 Hr./Start)	Correlated Color Temperature K	Chromaticity (CIE-X,Y)	Color Rendering Index (CRI)	Warm Up Time (Minutes)	Hot Restart Time (Minutes)	Burning Position
46214	MS 200W/BU/MED/PS	M136/E	21000	105	15800	12000	4000	.385 .390	65	1-2	2-4	BU ±15°
46210	MP 200W/BU/UVG/PS	M136/O	20000	100	15000	15000	4000	.385 .390	65	1-2	2-4	BU ±15°
46215	MP 200W/C/BU/UVG/PS	M136/O	19000	95	14200	15000	3700	.395 .390	70	1-2	2-4	BU ±15°

Note: C designates a coated outer jacket  
ANSI Designation: E = Enclosed rated luminaire, O = Open rated luminaire

### Physical Data / Requirements:

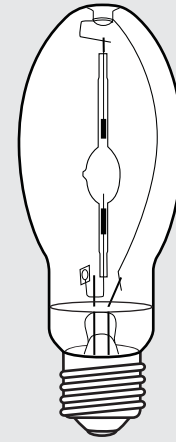
	Medium (E26)	Mogul (E39)	Mogul (EX39)
Bulb Designation	ED17(MH)	ED28 (MS)	ED28(MP)
Bulb Diameter	2 1/8"	3 1/2"	3 1/2"
Max. Overall Length (MOL)	5 7/16"	8 5/16"	8 5/16"
Light Center Length (LCL)	3 3/8"	5"	5"
Effective Arc Length	24.6 mm	23.6 mm	23.6 mm
Max. Base Temperature (°C)	210	210	210
Max. Bulb Temperature (°C)	400	400	400
Luminaire Type	Enclosed	Enclosed	Open
Socket Pulse Rating (KV)	3-4	3-4	3-4
Socket Style	Medium	Mogul	Mogul

### Electrical Data / Requirements:

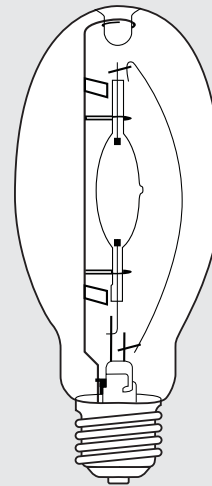
Lamp Wattage	200
Operating Voltage (Nominal)	132
Operating Current (Amps)	1.6
Min. Open Circuit Voltage (RMS)	254
Min-max starting pulse peak (Peak V)	3000-4000
Min. Pulse Width at 2700 volts	1
Min. Pulse Rate per 1/2 Cycle	1
Pulse Position (Min. % OCV Peak)	90

#### Notes:

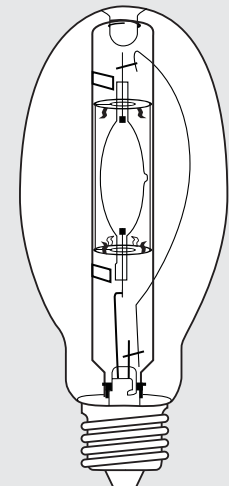
- Pulse Start lamps require an ignitor for starting.
- UV Guard™ reduces normal UV emissions up to 90%.
- Special open rated socket is required (EX39) on mogul based open rated lamps.



ED17  
Medium Base  
Enclosed Rated



ED28  
Mogul Base  
Enclosed Rated



ED28  
EX39 Mogul Base  
Open Rated